

## **DES'S Dam Rules** **Reference Book Locations**

### **Engineering Guidelines for the Evaluation of Hydropower Projects**

Published by Federal Energy Regulatory Commission (FERC), October 1993

Website: <http://www.ferc.gov/industries/hydropower/safety/guidelines/eng-guide.asp#skipnavsub>

Applicable rules: Env-Wr 303.12, 403.03, 501.01

### **Hydrometeorological Report No. 52 (HMR 52)**

National Oceanic and Atmospheric Administration (NOAA)

Webpage: <http://www.nws.noaa.gov/oh/hdsc/studies/pmp.html>

Applicable rules: Env-Wr 403.04

### **NRCC Research Publication RR 93-5**

**Atlas of Precipitation Extremes for Northeastern United States and Southeastern Canada**

Can be ordered at: [http://www.nrcc.cornell.edu/reports/RR\\_93-5.html](http://www.nrcc.cornell.edu/reports/RR_93-5.html)

Applicable rules: Env-Wr 403.05

### **Hydrometeorological Report No. 51, Probable Maximum Precipitation Estimates, United States East of the 105<sup>th</sup> Meridian**

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, June 1978

Can be ordered at: <http://www.nws.noaa.gov/oh/hdsc/studies/pmp.html>

Applicable rules: Env-Wr 403.05

### **USDA NRCS National Engineering Handbook**

210-VI-NEH-630.10, August 1, 1969

Website: [http://policy.nrcs.usda.gov/media/pdf/H\\_210\\_630\\_10.pdf](http://policy.nrcs.usda.gov/media/pdf/H_210_630_10.pdf)

Applicable rules: Env-Wr 403.05

### **USDA NRCS National Engineering Handbook**

Section 5, Hydraulics, 1956

Website: <http://www.info.usda.gov/CED/ftp/CED/neh-5.htm>

Applicable rules: Env-Wr 403.06

### **Handbook of Hydraulics**

Sixth edition by Horace w. King and Earnest F. Brater

McGraw Hill Book Co. 1976

Can be ordered at numerous book stores or on line

Applicable rules: Env-Wr 403.06

### **Building Code Requirements for Structural Concrete & Commentary**

American Concrete Institute, (ACI 318-05), 2005,

Can be ordered at: <http://www.aci-int.org/PUBS/newpubs/318-05.htm>

Applicable rules: Env-Wr 403.07

### **Design of Small Dams**

U.S. Department of Interior, Bureau of Reclamation, Third Edition, 1987

Can be ordered at:

<http://bookstore.gpo.gov/actions/GetPublication;jsessionid=CE1C040826DD454FC32503D555F107DA?stocknumber=024-003-00164-3>

Applicable rules: Env-Wr 403.07, 403.10

### **USDA NRCS National Engineering Handbook**

Section 6, Structural Design, 1980

Website: <http://www.info.usda.gov/CED/ftp/CED/neh-6.htm>

Applicable rules: Env-Wr 403.07, 403.08, 403.09

### **Manual of Steel Construction,**

American Institute of Steel Construction, Ninth Edition, First Revision, 1991

Can be ordered at: <http://www.aisc.org/>

It can also be purchased at numerous bookstores

Applicable rules: Env-Wr 403.08

### **Timber Construction Manual,**

American Institute of Timber Construction, Fourth Edition, 1994

Can be ordered at: <http://www.aitc-glulam.org/index.asp>

It can also be purchased at numerous bookstores

Applicable rules: Env-Wr 403.09

### **USDA NRCS Technical Release 60**

Revised October 1985

Download at: [http://www.wsi.nrcs.usda.gov/products/W2Q/H&H/tech\\_refs/TR\\_TP.html](http://www.wsi.nrcs.usda.gov/products/W2Q/H&H/tech_refs/TR_TP.html)

Applicable rules: Env-Wr 403.10

### **ACER Technical Memorandum No 9, Guidelines for Controlling Seepage Along Conduits Through Embankments**

US Dept of Interior, Bureau of Reclamation, 1987

Website: <http://www.usbr.gov/>

Applicable rules: Env-Wr 403.10

### **“Detention and Retention Basins” BMP**

Storm water Management and Erosion and Sediment Control Handbook for Urban and Developing Areas in New Hampshire, August 1992

Can be purchased at DES at: <http://www.des.state.nh.us/desguid.htm>

Or picked up at the NH DES, PIP office for \$25

Applicable rules: Env-Wr 403.10

### **USDA, NRCS, Agricultural Handbook No. 590,**

September 2000

Can be downloaded at: <http://www.info.usda.gov/CED/ftp/CED/ah590-ponds.pdf>

Applicable rules: Env-Wr 403.10

**USACE, Dam Safety Preparedness, EP 1110-2-13**

June 1996

Can be downloaded at: <http://www.usace.army.mil/publications/eng-pamphlets/ep1110-2-13/toc.htm>

Applicable rules: Env-Wr 501.01

**USDA NRCS TR 66**

Also known as: Simplified Dam Breach Routing Procedures, March 1979

Can be ordered at: <http://www.info.usda.gov/CED/ftp/CED/tr66.pdf>

Applicable rules: Env-Wr 502.07

**USDA SCS, TR-20**

Also known as: Computer Program for project Formulation Hydrology, March 1986

Download at: [http://www.info.usda.gov/scripts/lpsiis.dll/UG/UG\\_210\\_7\\_5.htm](http://www.info.usda.gov/scripts/lpsiis.dll/UG/UG_210_7_5.htm)

Applicable rules: Env-Wr 502.07

**WSP 2 Computer Program, TR61**

May 1976

Download at: [http://www.wsi.nrcs.usda.gov/products/w2q/H&H/Tools\\_Models/other.html](http://www.wsi.nrcs.usda.gov/products/w2q/H&H/Tools_Models/other.html)

Applicable rules: Env-Wr 502.07

**NWS Dam-Break Flood Forecasting Model**

Authored by Danny L. Fread from the NWS in Silver Springs Maryland, dated July 18, 1984, reprinted 02/1987

Boss Dam break version can be obtained at: [http://www.bossintl.com/html/dambrk\\_details.html](http://www.bossintl.com/html/dambrk_details.html)

Applicable rules: Env-Wr 502.07

**HEC-RAS**

USACOE, Hydrologic Engineering Center, Version 3.1

Can be obtained at: <http://www.hec.usace.army.mil/software/hecras/>

Applicable rules: Env-Wr 502.07